|    | Туре | Ref # | Hits | Search Text   |  |
|----|------|-------|------|---|--|
| 1  | IS&R | S1    | 4    | (("6077480") or ("5949958") or ("5876664") or ("5872359")).PN.                |  |
| 2  | IS&R | s3    | 5    | (("3861875") or ("4169123") or ("4169124") or ("4688585") or ("4909999")).PN. |  |
| 3  | IS&R | S4    | 1796 | (422/28).CCLS.  |  |
| 4  | BRS  | S5    | 1    | S4 and flash adj vaporizer  |  |
| 5  | BRS  | s6    | 1    | S4 and flashpoint adj vaporization  |  |
| 6  | BRS  | S7    | 180  | S4 and hydrogen adj peroxide with vapor                                       |  |
| 7  | BRS  | S8    | 29   | S7 and flash\$  |  |
| 8  | IS&R | S9    | 250  | (422/3).CCLS.   |  |
| 9  | IS&R | S10   | 965  | (422/62).CCLS.  |  |
| 10 | BRS  | S13   | 27   | S9 and hydrogen adj peroxide with vapor                                       |  |
| 11 | BRS  | S14   | 102  | S4 and flash\$  |  |
| 12 | IS&R | S16   | 860  | (422/123,125).CCLS.   |  |
| 13 | BRS  | S17   | 1    | S16 and flash with vaporizer  |  |
| 14 | BRS  | S18   | 0    | S16 and flashpoint with vaporization  |  |
| 15 | BRS  | S19   | 18   | S16 and flash   |  |
| 16 | BRS  | S20   | 249  | S16 and vapor   |  |
| 17 | BRS  | S21   | 72   | S20 and vaporizer   |  |
| 18 | BRS  | S22   | 194  | flash adj vaporizer   |  |
| 19 | IS&R | S23   | 2367 | (422/305,306,307).CCLS.   |  |
| 20 | BRS  | S24   | 49   | S23 and flash   |  |
| 21 | BRS  | S25   | 141  | @py<="2001" and flash adj vaporizer   |  |

|    | 1                  | DBs                                   | Time Stamp       | Comments | Error<br>Definition |
|----|--------------------|---------------------------------------|------------------|----------|---------------------|
| 1  | US-PGPUB;<br>USOCR | USPAT;                                | 2005/01/25 10:24 |          |                     |
| 2  | US-PGPUB;<br>USOCR | USPAT;                                | 2005/01/25 11:17 |          |                     |
| 3  | US-PGPUB;<br>USOCR | USPAT;                                | 2005/01/25 11:32 |          |                     |
| 4  | US-PGPUB;<br>USOCR | USPAT;                                | 2005/01/25 11:18 |          |                     |
| 5  | US-PGPUB;<br>USOCR | USPAT;                                | 2005/01/25 11:18 |          |                     |
| 6  | US-PGPUB;<br>USOCR | USPAT;                                | 2005/01/25 11:21 |          |                     |
| 7  | US-PGPUB;<br>USOCR | USPAT;                                | 2005/01/25 11:26 |          |                     |
| 8  | US-PGPUB;<br>USOCR | USPAT;                                | 2005/01/25 11:27 |          |                     |
| 9  | US-PGPUB;<br>USOCR | USPAT;                                | 2005/01/25 11:27 |          | ·                   |
| 10 | US-PGPUB;<br>USOCR | USPAT;                                | 2005/01/25 11:28 |          |                     |
| 11 | US-PGPUB;<br>USOCR | * * * * * * * * * * * * * * * * * * * | 2005/01/25 11:41 |          |                     |
| 12 | US-PGPUB;<br>USOCR | USPAT;                                | 2005/01/25 11:42 |          |                     |
| 13 | US-PGPUB;<br>USOCR | USPAT;                                | 2005/01/25 11:42 | •        |                     |
| 14 | US-PGPUB;<br>USOCR | USPAT;                                | 2005/01/25 11:43 |          |                     |
| 15 | US-PGPUB;<br>USOCR | USPAT;                                | 2005/01/25 11:44 |          |                     |
| 16 | US-PGPUB;<br>USOCR | USPAT;                                | 2005/01/25 11:44 |          |                     |
| 17 | US-PGPUB;<br>USOCR | USPAT;                                | 2005/01/25 11:47 |          |                     |
| 18 | US-PGPUB;<br>USOCR | USPAT;                                | 2005/01/25 13:07 |          |                     |
| 19 | US-PGPUB;<br>USOCR | USPAT;                                | 2005/01/25 12:05 |          |                     |
| 20 | US-PGPUB;<br>USOCR | USPAT;                                | 2005/01/25 12:05 |          | ·                   |
| 21 | US-PGPUB;<br>USOCR | USPAT;                                | 2005/01/25 13:20 |          |                     |

|    | Type | Ref | Hits | Search Text  |  |  |
|----|------|-----|------|--|--|--|
| 22 | BRS  | S26 | 2    | S25 and hydrogen adj peroxide  |  |  |
| 23 | IS&R | S27 | 3    | (("5536323") or ("5711816") or ("5204314")).PN.  |  |  |
| 24 | IS&R | S28 | 6    | (("5445792") or ("6077480") or<br>("5906794") or ("5949958") or<br>("5872359") or ("5876664")).PN. |  |  |
| 25 | BRS  | S29 | 9035 | block with heater  |  |  |
| 26 | BRS  | s30 | 3    | S29 same increasing with cross adj section   |  |  |
| 27 | BRS  | S31 | 9035 | block with heater  |  |  |
| 28 | BRS  | S32 | 1299 | S31 and turns  |  |  |
| 29 | BRS  | S33 | 275  | S31 and bends  |  |  |
| 30 | BRS  | S34 | 30   | S31 and elbows   |  |  |
| 31 | BRS  | S35 | 2    | S31 same elbows  |  |  |
| 32 | BRS  | s36 | 37   | S31 same bends   |  |  |
| 33 | IS&R | s37 | 83   | (126/365.1).CCLS.  |  |  |
| 34 | BRS  | S38 | 0 .  | S31 and S37  |  |  |
| 35 | BRS  | S39 | 0    | "126".ccls. and S31  |  |  |
| 36 | BRS  | S40 | 0    | "165".ccls. and S31  |  |  |
| 37 | BRS  | S41 | 0    | "165".ccls. and heater   |  |  |
| 38 | BRS  | S42 | 2500 | sterilization with chamber   |  |  |
| 39 | BRS  | S43 | 6    | S42 and duct with hvac   |  |  |
| 40 | BRS  | S44 | 2469 | room and decontamination   |  |  |
| 41 | BRS  | S45 | 19   | S44 and duct with hvac   |  |  |
| 42 | BRS  | S46 | 1062 | room same sterilize  |  |  |

|    | DBs                       | Time Stamp       | Comments | Error<br>Definition |
|----|---------------------------|------------------|----------|---------------------|
| 22 | US-PGPUB; USPAT;<br>USOCR | 2005/01/25 13:15 |          |                     |
| 23 | US-PGPUB; USPAT;<br>USOCR | 2005/01/25 13:20 |          |                     |
| 24 | US-PGPUB; USPAT;<br>USOCR | 2005/01/31 15:04 |          |                     |
| 25 | US-PGPUB; USPAT;<br>USOCR | 2005/01/26 13:44 |          |                     |
| 26 | US-PGPUB; USPAT;<br>USOCR | 2005/01/26 13:31 |          |                     |
| 27 | US-PGPUB; USPAT;<br>USOCR | 2005/01/26 13:47 |          |                     |
| 28 | US-PGPUB; USPAT;<br>USOCR | 2005/01/26 13:44 |          |                     |
| 29 | US-PGPUB; USPAT;<br>USOCR | 2005/01/26 13:45 |          |                     |
| 30 | US-PGPUB; USPAT;<br>USOCR | 2005/01/26 13:46 |          |                     |
| 31 | US-PGPUB; USPAT;<br>USOCR | 2005/01/26 13:46 |          |                     |
| 32 | US-PGPUB; USPAT;<br>USOCR | 2005/01/26 14:11 |          |                     |
| 33 | US-PGPUB; USPAT;<br>USOCR | 2005/01/26 14:17 |          |                     |
| 34 | US-PGPUB; USPAT;<br>USOCR | 2005/01/26 14:17 |          |                     |
| 35 | US-PGPUB; USPAT;<br>USOCR | 2005/01/26 14:21 |          |                     |
| 36 | US-PGPUB; USPAT;<br>USOCR | 2005/01/26 14:21 |          |                     |
| 37 | US-PGPUB; USPAT;<br>USOCR | 2005/01/26 14:21 |          |                     |
| 38 | US-PGPUB; USPAT;<br>USOCR | 2005/01/31 15:04 |          |                     |
| 39 | US-PGPUB; USPAT;<br>USOCR | 2005/01/31 15:06 |          |                     |
| 40 | US-PGPUB; USPAT;<br>USOCR | 2005/01/31 15:06 |          |                     |
| 41 | US-PGPUB; USPAT;<br>USOCR | 2005/01/31 15:59 |          |                     |
| 42 | US-PGPUB; USPAT;<br>USOCR | 2005/01/31 16:00 |          |                     |

|    | Туре | Ref # | Hits | Search Text  |
|----|------|-------|------|--------------|
| 43 | BRS  | S47   | 6    | S46 and hvac |

|    | DBs                       | Time Stamp       | Comments | Error<br>Definition |
|----|---------------------------|------------------|----------|---------------------|
| 43 | US-PGPUB; USPAT;<br>USOCR | 2005/01/31 16:00 |          |                     |

|   | บ | 1 | Document ID  | Issue Date | Pages |
|---|---|---|--------------|------------|-------|
| 1 |   | X | US 3873806 A | 19750325   | 10    |
| 2 |   | X | US 5078092 A | 19920107   | 10    |
| 3 | , | x | US 5204314 A | 19930420   | 15    |
| 4 | , | Х | US 5445792 A | 19950829   | 15 ·  |
| 5 |   | х | US 5536323 A | 19960716   | 19    |
| 6 |   | х | US 5711816 A | 19980127   | 22    |

|   | Title  | Current OR | Current XRef   |
|---|--|------------|--|
| 1 | Vaporizer-humidifier   | 392/402    | 126/113;<br>128/203.27;<br>261/142;<br>261/DIG.46;<br>392/405;<br>422/106;<br>422/125;<br>422/305;<br>422/306                                      |
| 2 | Flash vaporizer system for use in manufacturing optical waveguide fiber                        | 118/726    | 427/166;<br>65/414;<br>65/489  |
| 3 | Method for delivering an involatile reagent in vapor form to a CVD reactor                     | 505/447    | 117/102;<br>117/93;<br>118/726;<br>427/126.3;<br>427/255.32;<br>427/419.1;<br>427/419.2;<br>427/62;<br>438/935;<br>505/330;<br>505/473;<br>505/734 |
| 4 | Optimum hydrogen peroxide vapor sterlization method  | 422/28     | 422/32;<br>422/33  |
| 5 | Apparatus for flash<br>vaporization delivery of<br>reagents                                    | 118/726    | 261/100;<br>261/104;<br>261/106;<br>261/107;<br>261/154;<br>261/DIG.65;<br>261/DIG.88;<br>392/399  |
| 6 | Source reagent liquid delivery apparatus, and chemical vapor deposition system comprising same | 118/726    | 261/100;<br>261/104;<br>261/106;<br>261/107;<br>261/154;<br>261/DIG.65;<br>392/399   |

|   | Retrieval<br>Classif | Inventor                  | s | С | P | 2 | 3 | 4 | 5 |
|---|----------------------|---------------------------|---|---|---|---|---|---|---|
| 1 |                      | Schossow; George W.       | x |   |   |   |   |   |   |
| 2 |                      | Antos; A. Joseph et al.   | х | , |   |   |   |   |   |
| 3 |                      | Kirlin; Peter S. et al.   | x |   |   |   |   |   |   |
| 4 |                      | Rickloff; James R. et al. | Х |   |   |   |   |   |   |
| 5 |                      | Kirlin; Peter S. et al.   | Х |   |   |   |   |   |   |
| 6 |                      | Kirlin; Peter S. et al.   | х |   |   |   |   |   |   |

|   |    | Image Doc. Displayed | PT |
|---|----|----------------------|----|
| 1 | US | 3873806              |    |
| 2 | us | 5078092              |    |
| 3 | US | 5204314              |    |
| 4 | US | 5445792              |    |
| 5 | US | 5536323              |    |
| 6 | US | 5711816              |    |

|    | U | 1 | I        | Document | ID   | Issue Date | Pages |
|----|---|---|----------|----------|------|------------|-------|
| 7  |   | x | US       | 5872359  | Α .  | 19990216   | 18    |
| 8  |   | x | us       | 5876664  | A    | 19990302   | 14    |
| 9  |   | Х | US       | 5906794  | A    | 19990525   | 10    |
| 10 |   | х | US       | 5949958  | A    | 19990907   | 10    |
| 11 |   | X | US       | 6077480  | A    | 20000620   | 5     |
| 12 |   | X | us       | 6133051  | Α    | 20001017   | 14    |
| 13 |   | Х | US       | 6245151  | В1   | 20010612   | 9     |
| 14 |   | X | US<br>A1 | 20050013 | 3726 | 20050120   | 9     |
| 15 |   | Х | US       | 6701772  | В2   | 20040309   | 17    |
| 16 |   | Х | US       | 5195922  | A    | 19930323   | 14    |

|    | Title   | Current OR | Current XRef   |
|----|---|------------|--|
| 7  | Real-time monitor and control system and method for hydrogen peroxide vapor decontamination |            | 250/339.09   |
| 8  | Continuous-operation, closed loop decontamination system and method                         | 422/28     | 422/109;<br>422/305;<br>422/306  |
| 9  | Continuous-operation, closed loop decontamination system and method                         | 422/28     | 422/111;<br>422/30;<br>422/305   |
| 10 | Integral flash steam generator  | 392/399    | 392/484  |
| 11 | Multiple flashpoint<br>vaporization system  | 422/28     | 422/105;<br>422/108;<br>422/110;<br>422/119;<br>422/29;<br>422/292;<br>422/298;<br>422/3;<br>422/305               |
| 12 | Amorphously deposited metal oxide ceramic films   | 438/3      | 257/E21.272;<br>438/100;<br>438/400  |
| 13 | Liquid delivery system comprising upstream pressure control means                           | 118/726    | 392/387;<br>392/394;<br>392/399  |
| 14 | System and method for determining concentration of sterilant                                | 422/3.     | 422/28;<br>422/292;<br>422/30;<br>422/305;<br>422/62   |
| 15 | Chemical or biological attack<br>detection and mitigation<br>system                         | 73/23.2    | 73/23.31;<br>73/31.02;<br>73/31.03;<br>73/865.8;<br>73/866.5;<br>82/118;<br>82/158;<br>901/1;<br>901/46;<br>901/47 |
| 16 | Environmental control system  | 454/57     | 454/187  |

|    | Retrieval<br>Classif | Inventor                       | s | С | P | 2 | 3 | 4 | 5 |
|----|----------------------|--------------------------------|---|---|---|---|---|---|---|
| 7  |                      | Stewart; Bonnie et al.         | x |   |   |   |   |   |   |
| 8  |                      | Childers; Robert W. et al.     | х |   |   |   |   |   |   |
| 9  |                      |                                | x |   |   |   |   |   | ! |
| 10 |                      | Naperkowski; Susan Mary et al. | Х | · |   |   |   |   |   |
| 11 |                      | Edwards; Steven J. et al.      | х |   |   |   |   |   |   |
| 12 |                      | Hintermaier; Frank S. et al.   | х |   |   |   |   |   |   |
| 13 |                      | Bhandari; Gautam et al.        | x |   |   |   |   |   |   |
| 14 |                      | Hill, Aaron L. et al.          | x |   |   |   |   |   |   |
| 15 |                      | Kreichauf; Ruth D. et al.      | х |   |   |   |   |   |   |
| 16 |                      | Genco; Robert M.               | Х |   |   |   |   |   |   |

|    |    | Image Doc.<br>Displayed | PT |
|----|----|-------------------------|----|
| 7  | US | 5872359                 |    |
| 8  | US | 5876664                 |    |
| 9  | US | 5906794                 |    |
| 10 | US | 5949958                 |    |
| 11 | US | 6077480                 |    |
| 12 | US | 6133051                 |    |
| 13 | US | 6245151                 |    |
| 14 | US | 20050013726             |    |
| 15 | US | 6701772                 |    |
| 16 | US | 5195922                 |    |

|    | บ | 1 | Document ID   | Issue Date | Pages |
|----|---|---|---------------|------------|-------|
| 17 |   | х | US 6645429 B1 | 20031111   | 7     |

|    | Title  | Current OR | Current XRef  |
|----|--|------------|---|
| 17 | Sterilization system and method for food packaging | 422/28     | 422/260;<br>422/292;<br>422/300;<br>422/305;<br>422/32;<br>422/34 |

|    | Retrieval<br>Classif | Inventor         | s | С | P | 2 | 3 | 4 | 5 |
|----|----------------------|------------------|---|---|---|---|---|---|---|
| 17 |                      | Raniwala; Subodh | x |   |   |   |   |   |   |

|    |    | Image Doc.<br>Displayed | PT |
|----|----|-------------------------|----|
| 17 | US | 6645429                 |    |